

SEQUENCE LISTING

<110> NGUYEN, MAI

<120> IDENTIFICATION OF A NOVEL ENDOTHELIAL-DERIVED GENE EG-1

<130> 4097-301400US

<140> unassigned

<141> 2001-12-12

<160> 15

<170> PatentIn version 3.0

<210> 1

<211> 1281

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (6)...(539)

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ccc cct cag gcc cgg cgg ggc ctt cgg ggc caa gct tgg ctt ctt cag 98
Pro Pro Gln Ala Pro Pro Gly Leu Pro Gly Gln Ala Ser Leu Leu Gln
20 25 30

gca gct cca ggc gct cct aga cct tcc agc agt act ttg gtg gac gag 146
Ala Ala Pro Gly Ala Pro Arg Pro Ser Ser Ser Thr Leu Val Asp Glu
35 40 45

ttg gag tca tct ttc gag gct tgc ttt gca tct ctg gtg agt cag gac 194
Leu Glu Ser Ser Phe Glu Ala Cys Phe Ala Ser Leu Val Ser Gln Asp
50 55 60

tat gtc aat ggc acc gat cag gaa gaa att cga acc ggt gtt gat cag 242
Tyr Val Asn Gly Thr Asp Gln Glu Glu Ile Arg Thr Gly Val Asp Gln
65 70 75

tgt atc cag aag ttt ctg gat att gca aga cag aca gaa tgt ttt ttc 290
Cys Ile Gln Lys Phe Leu Asp Ile Ala Arg Gln Thr Glu Cys Phe Phe
80 85 90 95

tta caa aaa aga ttg cag tta tct gtc cag aaa cca gag caa gtt atc 338
Leu Gln Lys Arg Leu Gln Leu Ser Val Gln Lys Pro Glu Gln Val Ile
100 105 110

aaa gag gat gtg tca gaa cta agg aat gaa tta cag cgg aaa gat gca 386
Lys Glu Asp Val Ser Glu Leu Arg Asn Glu Leu Gln Arg Lys Asp Ala
115 120 125

cta gtc cag aag cac ttg aca aag ctg agg cat tgg cag cag gtg ctg 434
Leu Val Gln Lys His Leu Thr Lys Leu Arg His Trp Gln Gln Val Leu
130 135 140

gag gag atc aac ggg tag cac aaa aag ccc gcc gac atc cct tag ggc 482
 Glu Asp Ile Asn Val Gln His Lys Lys Pro Ala Asp Ile Pro Gln Gly
 145 150 155

ccc ttg gcc tac cgg gag tag gca tct gcc aac atc cct gca cct ctg 530
 Ser Leu Ala Tyr Leu Gln Gln Ala Ser Ala Asn Ile Pro Ala Pro Leu
 160 165 170 175

aag cca acg tagcacaagg gcagaggtag ttggcctatg agtggggctga 579
 Lys Pro Thr

tgcgtagagt tggccacaca ttcttctctg ttgacttgac attttggaag aactctttgc 639

cagataatga gtccatttta gtcttatgtt cccattgaaa aattttccac tatttttata 699

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 <212> PRT
 <213> Homo sapiens

<400> 2

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Pro Gln Ala Pro Pro Gly Leu Pro Gly Gln Ala Ser Leu Leu Gln Ala
 20 25 30

Ala Pro Gly Ala Pro Arg Pro Ser Ser Ser Thr Leu Val Asp Glu Leu
 35 40 45

Glu Ser Ser Phe Glu Ala Cys Phe Ala Ser Leu Val Ser Gln Asp Tyr
 50 55 60

Val Asn Gly Thr Asp Gln Glu Glu Ile Arg Thr Gly Val Asp Gln Cys
65 70 75 80

Ile Gln Lys Phe Leu Asp Ile Ala Arg Gln Thr Glu Cys Phe Phe Leu
85 90 95

Gln Lys Arg Leu Gln Leu Ser Val Gln Lys Pro Glu Gln Val Ile Lys
100 105 110

Glu Asp Val Ser Glu Leu Arg Asn Glu Leu Gln Arg Lys Asp Ala Leu
115 120 125

Val Gln Lys His Leu Thr Lys Leu Arg His Trp Gln Gln Val Leu Glu
130 135 140

Asp Ile Asn Val Gln His Lys Lys Pro Ala Asp Ile Pro Gln Gly Ser
145 150 155 160

Leu Ala Tyr Leu Glu Gln Ala Ser Ala Asn Ile Pro Ala Pro Leu Lys
165 170 175

Pro Thr

<210> 3
<211> 178
<212> PRT
<213> Mus musculus

<400> 3

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Pro Pro Pro Pro Pro Gly Leu Pro Gly Gln Ala Ser Leu Leu Gln Ala
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Ala Pro Gly Ala Pro Arg Pro Ser Asn Ser Thr Leu Val Asp Glu Leu
35 40 45

Glu Ser Ser Phe Glu Ala Cys Phe Ala Ser Leu Val Ser Gln Asp Tyr
50 55 60

Val Asn Gly Thr Asp Gln Glu Glu Ile Arg Thr Gly Val Asp Gln Cys
65 70 75 80

Ile Gln Lys Phe Leu Asp Ile Ala Arg Gln Thr Glu Cys Phe Phe Leu
85 90 95

Gln Lys Arg Leu Gln Leu Ser Val Gln Lys Pro Asp Gln Val Ile Lys
100 105 110

Glu Asp Val Ser Glu Leu Arg Ser Glu Leu Gln Arg Lys Asp Ala Leu
115 120 125

Val Gln Lys His Leu Thr Lys Leu Arg His Trp Gln Gln Val Leu Glu
130 135 140

Asp Ile Asn Val Gln His Lys Lys Pro Ala Asp Met Pro Gln Gly Ser
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165 170 175

Gln Thr

<210> 4

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<212> PRT

<213> Drosophila melanogaster

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20 25 30

Ser Gly Thr Asn Lys Glu Glu Ile Asp Leu Glu Val Gln Lys Thr Thr
35 40 45

Asn Arg Phe Ile Asp Val Ala Arg Gln Met Glu Ala Phe Phe Leu Gln
50 55 60

Lys Arg Phe Leu Val Ser Thr Leu Lys Pro Tyr Met Leu Ile Lys Asp
65 70 75 80

Glu Asn Gln Asp Leu Ser Ile Glu Ile Gln Arg Lys Glu Ala Leu Leu
85 90 95

Gln Lys His Tyr Asn Arg Leu Glu Glu Trp Lys Ala Cys Leu Ser Asp
100 105 110

Ile Gln Gln Gly Val His Ser Arg Pro Thr Pro Pro Ile Gly Ser Gly
115 120 125

Met Leu Gln Gly Pro Gly Gly Gly Met Pro Pro Met Gly Gly Thr Pro
130 135 140

Pro Arg Pro Gly Met Met Pro Gly Met Pro Pro Gly Ala Met Gln Pro
145 150 155 160

Gly Gly Pro Met Gln Pro Ser Pro His Met Leu Gln Ala Gln Gln Met
165 170 175

Gln Gln Leu Arg Met Ile Ser Arg Gln Met Pro Pro Lys
180 185

<210> 5

<211> 1363
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 <213> Homo sapiens

<220>
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 <222> (13) ... (546)

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 Pro Gly Pro Pro Gln Ala Pro Pro Gly Leu Pro Gly Gln Ala Ser Leu
 15 20 25

ctt cag gca gct cca ggc ggt cct aga cct tcc agc agt act ttg gtg 147
 Leu Gln Ala Ala Pro Gly Ala Pro Arg Pro Ser Ser Ser Thr Leu Val
 30 35 40 45

gac gag ttg caa tca tct ttc gag ggt tgc ttt gca tct ctg gtg agt 195
 Asp Glu Leu Glu Ser Ser Phe Glu Ala Cys Phe Ala Ser Leu Val Ser
 50 55 60

cag gac tat gtc aat ggc acc gat cag gaa gaa att cga acc ggt gtt 243
 Gln Asp Tyr Val Asn Gly Thr Asp Gln Glu Glu Ile Arg Thr Gly Val
 65 70 75

gac cag tgt atc cag aag ttt ctg gat att gca aga cag aca gaa tgt 291
 Asp Gln Cys Ile Gln Lys Phe Leu Asp Ile Ala Arg Gln Thr Glu Cys
 80 85 90

ttc ttc tta caa aaa aga ttg cag tta tct gtc cag aaa cca gag caa 339
 Phe Phe Leu Gln Lys Arg Leu Gln Leu Ser Val Gln Lys Pro Glu Gln
 95 100 105

gtc atc aaa gag gat gtg tca gaa cta agg aat gaa tta cag cgg aaa 387
 Val Ile Lys Glu Asp Val Ser Glu Leu Arg Asn Glu Leu Gln Arg Lys
 110 115 120 125

gat gca cca gtc cag aag cac ttc aca aag ctg agg cat tgg cag cag 435
 Asp Ala Leu Val Gln Lys His Leu Thr Lys Leu Arg His Trp Gln Gln
 130 135 140

gtg ctg gag gac atc aac gtg cag cac aaa aag ccc gcc gac atc cct 483
 Val Leu Glu Asp Ile Asn Val Gln His Lys Lys Pro Ala Asp Ile Pro
 145 150 155

cag gcc tcc ttg gcc tac ctg gag cag gca tct gcc aac atc cct gca 531
 Gln Gly Ser Leu Ala Tyr Leu Glu Gln Ala Ser Ala Asn Ile Pro Ala
 160 165 170

ctt ctg aag cca acc tgagcaaaagg gcagaggcag ttggcctatg agtggggctga 586
 Pro Leu Lys Pro Thr
 175

tgggtgaggt tggccacaca ttctttcctg tggacttgac attttggaag aactctttgc 646

cagataatga gttcatttta gttttatgct cccattgaaa aattttccac tattttttata 706

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<210> 6
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20 25 30

Ala Pro Gly Ala Pro Arg Pro Ser Ser Ser Thr Leu Val Asp Glu Leu
35 40 45

Glu Ser Ser Phe Glu Ala Cys Phe Ala Ser Leu Val Ser Gln Asp Tyr
50 55 60

Val Asn Gly Thr Asp Gln Glu Glu Ile Arg Thr Gly Val Asp Gln Cys
65 70 75 80

Ile Gln Lys Phe Leu Asp Ile Ala Arg Gln Thr Glu Cys Phe Phe Leu
85 90 95

Gln Lys Arg Leu Gln Leu Ser Val Gln Lys Pro Glu Gln Val Ile Lys
100 105 110

Glu Asp Val Ser Glu Leu Arg Asn Glu Leu Gln Arg Lys Asp Ala Leu

115

120

125

Val Gln Lys His Leu Thr Lys Leu Arg His Trp Gln Gln Val Leu Glu
 130 135 140

Asp Ile Asn Val Gln His Lys Lys Pro Ala Asp Ile Pro Gln Gly Ser
 145 150 155 160

Leu Ala Tyr Leu Glu Gln Ala Ser Ala Asn Ile Pro Ala Pro Leu Lys
 165 170 175

Pro Thr

<210> 7
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18

<210> 8
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<220>
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<400> 8
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<210> 9
 <211> 18
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 <213> Artificial

<220>
 <223> PCR primer

<400> 9
 tcaattggc tttagagg

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<210> 10
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 <212> DNA
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<220>

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22

<210> 11

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<213> Homo sapiens

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Gly

<210> 12

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<212> PRT

<213> Homo sapiens

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10

15

Ser Ser Phe Glu

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<210> 13

<211> 17

<212> PRT

<213> Homo sapiens

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Arg

<210> 14

<211> 18

<212> PRT

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10

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Gln Val

<210> 15

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<212> PRT
<213> Homo sapiens

<400> 15

Glu Leu Gln Arg Lys Asp Ala Leu Val Gln Lys His Leu Thr Lys Leu
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Arg